TOUGH JOBS

A GROSCHOPP® CASE STUDY

Insulation Blower

Motor failure after just twenty hours of operation brought an insulation blower manufacturer to Groschopp desperate for an immediate solution. Knowing the urgency of the situation, Groschopp worked with them to quickly evaluate the old motor and to make plans for a more dependable solution. Within six months, Groschopp was heading into production with a new motor design. Groschopp had done a full evaluation of the old motor, designed and built prototypes for a new solution, and performed life testing and application testing for the new motors.

During the evaluation, Groschopp learned the commutators of the customer's old motors were failing due to quality issues. Groschopp's team engineered a steel core commutator to go into a PQ frame universal motor and designed an extruded housing to allow Groschopp's motors to be a direct replacement for the failing units. The new motors were exactly what the customer needed—strong, dependable, and a perfect fit into their system.

CHALLENGES:

- Determine why the old motor was failing and make adequate changes
- Matching current installation limitations
- Very short time frame

SOLUTION:

- PQ frame UM motor with a special housing
- Steel core commutator for a stronger, more dependable design
- Extruded housing design to retrofit onto existing application

800.829.4135 | sales@groschopp.com | Sioux Center, IA groschopp.com

712.722.4135 • 712.722.1445 (fax) • 420 15th St. NE, Sioux Center, IA 51250 USA • ISO9001:2015 Registered